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**United States Patent** [19][11] **Patent Number:** **5,108,429****Wiley**[45] **Date of Patent:** **Apr. 28, 1992**[54] **MICROMOTOR ACTUATED ADJUSTABLE FOCUS LENS**

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*Attorney, Agent, or Firm*—Marshall & Melhorn[21] **Appl. No.:** **667,671**[57] **ABSTRACT**[22] **Filed:** **Mar. 11, 1991**[51] **Int. Cl.<sup>5</sup>** ..... **A61F 2/16**[52] **U.S. Cl.** ..... **623/6**[58] **Field of Search** ..... **623/6**[56] **References Cited****U.S. PATENT DOCUMENTS**

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An adjustable focus lens apparatus includes a transparent lens body having a periphery, an attachment device adjacent to the periphery of the lens body for mounting the lens apparatus in an eye, and a plurality of micromotor devices spaced equally about and connected between the periphery of the lens body and the attachment means, each of the micromotor devices being responsive to an external control signal for selectively changing the position of an associated portion of the lens body with respect to the cornea and retina so that the functional power and astigmatism of the lens can be appropriately adjusted.

**11 Claims, 3 Drawing Sheets**